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OBLON, SPIVAK, MCCLELLAND MAIER & NEUSTADT, L.L.P.			EXAMINER	
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Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

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Office Action Summary	Application No. 10/585,638	Applicant(s) OHNO ET AL.
	Examiner JONATHAN HAN	Art Unit 2818

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If no period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED. (35 U.S.C. § 133).

Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1) Responsive to communication(s) filed on 22 October 2009.

2a) This action is FINAL. 2b) This action is non-final.

3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4) Claim(s) 1-20 is/are pending in the application.

4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5) Claim(s) _____ is/are allowed.

6) Claim(s) 1-20 is/are rejected.

7) Claim(s) _____ is/are objected to.

8) Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9) The specification is objected to by the Examiner.

10) The drawing(s) filed on 11 July 2006 is/are: a) accepted or b) objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

a) All b) Some * c) None of:

1. Certified copies of the priority documents have been received.
2. Certified copies of the priority documents have been received in Application No. _____.
3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) Notice of References Cited (PTO-892)
2) Notice of Draftsperson's Patent Drawing Review (PTO-948)
3) Information Disclosure Statement(s) (PTO/GS-68)
Paper No(s)/Mail Date _____

4) Interview Summary (PTO-413)
Paper No(s)/Mail Date: _____

5) Notice of Informal Patent Application
6) Other: _____

DETAILED ACTION

This Office Action is responsive to the Applicant's communication filed 10/22/2009. In virtue of this communication, claims 1-20 are pending in the instant application.

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

2. Claims 1-2, 5, 7-10, 18-20 rejected under 35 U.S.C. 102(b) as being anticipated by Sakakima et al. (U.S. Patent No. 6,005,798; hereinafter referred to as Sakakima).

With respect to claim 1, Sakakima discloses in Figure 7A-7B a current injection-type magnetic domain wall-motion device comprising a microjunction structure including a first magnetic body [1'] (nearest to top), a second magnetic body [1'] (nearest to the bottom) with a magnetization direction antiparallel to that of the first magnetic body, and a third magnetic body [3] sandwiched therebetween, wherein the magnetization direction of the device is controlled in such a manner that a current is applied across microjunction interfaces present in the microjunction structure such that a magnetic domain wall is moved by the interaction between the magnetic domain wall and the current in the same direction as that of the current or in the direction opposite to that of the current (see Column 15, lines 55-60).

With respect to claim 2, Sakakima discloses all material as stated in claim 1, and

further discloses wherein the magnetic bodies are made of a magnetic semiconductor (see Column 15, lines 27-37, Column 16, lines 27-37).

With respect to claim 5, the combination of Sakakima and Chang disclose all material as stated in claims 1-2, and further discloses wherein the current is a pulse current (see Column 24, lines 62-66).

With respect to claim 7, Sakakima discloses all material as stated in claim 1, and further discloses wherein the first magnetic body [1'] (nearest to top of device) and the second magnetic body [1'] (lowest 1' of the device) with a magnetization direction antiparallel to that of the first magnetic body (see Figure 7B) are prepared by film formation (see Column 12, lines 13-20; initial structure is formed based on films) in a magnetic field (see Column 15, lines 55-60).

With respect to claim 8, Sakakima discloses all material as stated in claim 1, and further discloses wherein the magnetization directions of the first [1'] (nearest to top of device) and second magnetic bodies [1'] (nearest to the bottom of device) are aligned antiparallel to each other (see Figure 7B) with an external magnetic field using a difference in coercive force therebetween after a film formation (see Column 18, lines 5-17; different thicknesses allow for difference coercive forces).

With respect to claim 9, Sakakima discloses all material as stated in claim 8, and further discloses wherein the first and second magnetic bodies are made of different materials (see Column 18, lines 11-17; any of the disclosed materials can be used).

With respect to claim 10, Sakakima discloses all material as stated in claim 1, and further discloses wherein the first and second magnetic bodies are made of the

same material and the second magnetic body is magnetically coupled with an antiferromagnetic film disposed on the second magnetic body such that the first and second magnetic bodies have different coercive forces (see Column 13, lines 36-44).

With respect to claim 18, Sakakima discloses all material as stated in claim 1, and further discloses wherein the magnetization direction of the device can be read out (see Column 24, lines 62-66).

With respect to claim 19, Sakakima discloses all material as stated in claim 18, and further discloses wherein the magnetization state of the third magnetic body is read out in such a manner that the resistance of the element is measured by applying a small current that is insufficient to move the magnetic domain wall (see Column 24, lines 62-66; only the magnetization of the soft magnetic film is inverted), to a current injection terminal using a feature that the device has different resistances depending whether the magnetic domain wall is located at an interface between the first and third magnetic bodies or located at an interface between the second and third magnetic bodies (see Column 26, lines 37-59; by changing the position of the domain wall, the resistance values increase or decrease in relation to the hard magnetic film rotation).

With respect to claim 20, Sakakima discloses all material as stated in claim 19, and further discloses wherein the junction between the first and third magnetic bodies and the junction between the second and third magnetic bodies are formed to have asymmetric structure such that a difference in resistance is readily created in the device (see Column 26, lines 37-59 and Column 28, lines 7-14).

Claim Rejections - 35 USC § 103

3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

4. This application currently names joint inventors. In considering patentability of the claims under 35 U.S.C. 103(a), the examiner presumes that the subject matter of the various claims was commonly owned at the time any inventions covered therein were made absent any evidence to the contrary. Applicant is advised of the obligation under 37 CFR 1.56 to point out the inventor and invention dates of each claim that was not commonly owned at the time a later invention was made in order for the examiner to consider the applicability of 35 U.S.C. 103(c) and potential 35 U.S.C. 102(e), (f) or (g) prior art under 35 U.S.C. 103(a).

5. Claims 3-5 are rejected under 35 U.S.C. 103(a) as being unpatentable over Sakakima et al. (U.S. Patent No. 6,005,798; hereinafter referred to as Sakakima) in view of Chang et al. (U.S. Patent No. 5,294,287; hereinafter referred to as Chang).

With respect to claim 3, Sakakima discloses all material as stated in claim 2, but fails to disclose wherein the magnetic semiconductor is a (Ga, Mn)As ferromagnetic semiconductor.

Chang discloses the magnetic semiconductor is an (Ga, Mn)As ferromagnetic semiconductor (see Column 8, lines 10-18).

It would have been obvious to one of ordinary skill in the art at the time of invention to employ an (Ga, Mn)As ferromagnetic semiconductor in the magnetic structure as taught by Sakakima, in order to produce the three magnetic semiconductor bodies that would result in the desired magnetic ordering and electronic conduction (see Chang Column 6, lines 38-44).

With respect to claim 4, Sakakima discloses all material as stated in claim 2, but fails to disclose wherein the magnetic semiconductor is an (In, Mn)As ferromagnetic semiconductor.

Chang discloses the magnetic semiconductor is an (In, Mn)As ferromagnetic semiconductor (see Column 8, lines 10-18).

It would have been obvious to one of ordinary skill in the art at the time of invention to employ an (In, Mn)As ferromagnetic semiconductor in the magnetic structure as taught by Sakakima, in order to produce the three magnetic semiconductor bodies that would result in the desired magnetic ordering and electronic conduction (see Chang Column 6, lines 38-44).

With respect to claim 5, the combination of Sakakima and Chang disclose all material as stated in claims 3-4, and further discloses wherein the current is a pulse current (see Sakakima; Column 24, lines 62-66).

6. Claim 6 is rejected under 35 U.S.C. 103(a) as being unpatentable over Sakakima et al. (U.S. Patent No. 6,005,798; hereinafter referred to as Sakakima) in view of Chang et al. (U.S. Patent No. 5,294,287; hereinafter referred to as Chang) as applied to claims 3-5 above, and further in view of Grollier et al. ("Switching a spin valve back and forth by

current-induced domain wall motion", hereinafter referred to as "Grollier").

With respect to claim 6, the combination of Sakakima and Chang disclose all material as stated in claim 5, but fails to disclose wherein the pulse current has a current density of 10^4 - 10^7 A/cm².

Grollier discloses the pulse current has a current density of the order of 10^6 A/cm² and there is some uncertainty in the exact value of the current density (see Grollier, Page 510, Paragraph 2).

While Grollier does not explicitly disclose the range of the pulse current has a current density of 10^4 - 10^7 A/cm², it has been held that where the general conditions of a claim are disclosed in the prior art, it is not inventive to discover the optimum or workable ranges by routine experimentation. Therefore, it would have been obvious to one of ordinary skill in the art at the time of invention to implement the proper current density during the implementation of the device as disclosed by the combination of Sakakima and Chang, resulting in a displacement of the domain wall (see Grollier, Page 510, Paragraph 2)

Claims 11-12 are rejected under 35 U.S.C. 103(a) as being unpatentable over Sakakima et al. (U.S. Patent No. 6,005,798; hereinafter referred to as Sakakima) in view of Wang et al. (U.S. Patent No. 6,713,195; hereinafter referred to as Wang).

With respect to claim 11, Sakakima discloses all material as stated in claim 1, and further discloses wherein the first and second magnetic bodies are made of the same material (see Column 17, lines 62-66 and Column 18, lines 11-17) but fails to explicitly disclose wherein the first and second magnetic bodies have different film

thicknesses, such that the first and second magnetic bodies have different coercive forces.

Wang discloses the first and second magnetic bodies are made of the same material, and have different film thicknesses, such that the first and second magnetic bodies have different coercive forces (see Column 5, lines 3-14).

It would have been obvious to one of ordinary skill in the art at the time of invention to modify the thickness of the magnetic memory as disclosed by Sakakima to vary the switching thresholds for each of the outside composite layers while in a magnetic field as taught by Wang to allow for better control of the ferromagnetic layers and current resistivity in response to an externally applied operating magnetic or electrical field (see Wang; Column 5, lines 10-14 and 50-57).

With respect to claim 12, Sakakima discloses all material as stated in claim 1, and further discloses the first and second magnetic bodies are made of the same material (see Column 17, lines 62-66 and Column 18, lines 11-17) but fails to explicitly disclose wherein the first and second magnetic bodies are made of the same material, and have different shapes, such that the first and second magnetic bodies have different coercive forces due to difference of shape anisotropy.

Wang teaches the first and second magnetic bodies have different shapes and the first and second magnetic bodies have different coercive forces due to difference of shape anisotropy (see Column 5, lines 10-25; modifying the thickness modifies shape of the structure).

It would have been obvious to one of ordinary skill in the art to modify the

magnetic memory device as disclosed by Sakakima by changing the shape of the ferromagnetic structures to modify the shape anisotropy as taught by Wang to modify the coercive force on the magnetic layers that gives the thicker ferromagnetic layer a magnetization which is fixed in orientation (see Wang Column 5, lines 17-23).

Claim 13 is rejected under 35 U.S.C. 103(a) as being unpatentable over Sakakima et al. (U.S. Patent No. 6,005,798; hereinafter referred to as Sakakima) in view of Chang et al. (U.S. Patent No. 5,294,287; hereinafter referred to as Chang) as applied to claims 3-4 above, and further in view of Wang et al (U.S. Patent No. 6,713,195; hereinafter referred to as Wang).

With respect to claim 13, the combination of Sakakima and Chang disclose all material as stated in claims 2, 3, and 4, but fails to disclose wherein different external electric fields are applied to the first and second magnetic bodies made of magnetic semiconductor, such that the first and second magnetic bodies have different coercive forces.

Wang discloses the first and second magnetic bodies are made of the same material, and have different film thicknesses, such that the first and second magnetic bodies have different coercive forces (see Column 5, lines 3-14) and different external electric fields are applied to the first and second magnetic bodies made of magnetic semiconductor, such that the first and second magnetic bodies have different coercive forces (see Column 5, lines 50-57).

It would have been obvious to one of ordinary skill in the art at the time of invention to modify the thickness of the device as disclosed by the combination of

Sakakima and Chang to vary the switching thresholds for each of the outside composite layers while in a magnetic field as taught by Wang to allow for better control of the ferromagnetic layers in response to an externally applied operating magnetic or electrical field (see Wang; Column 5, lines 10-14 and 50-57 and Sakakima, Column 24, lines 55-66).

7. Claim 14-17 are rejected under 35 U.S.C. 103(a) as being unpatentable over Sakakima et al. (U.S. Patent No. 6,005,798; hereinafter referred to as Sakakima) in view of Zhu et al. (U.S. Patent No. 5,734,605; hereinafter referred to as Zhu).

With respect to claim 14, Sakakima discloses all material as stated in claim 1, but fails to disclose wherein the third magnetic body has a reduced cross-sectional area such that a magnetic domain wall is encouraged to position at a junction interface between the first and third magnetic bodies or between the second and third magnetic bodies, the magnetic domain wall being present between the first and second magnetic bodies because of the antiparallel magnetization directions of the first and second magnetic bodies, whereby the energy loss due to the creation of the magnetic domain wall in the third magnetic body is less than both that in the first magnetic body and that in the second magnetic body.

Zhu discloses the third magnetic body has a reduced cross-sectional area such that a magnetic domain wall is encouraged to position at a junction interface between the first and third magnetic bodies or between the second and third magnetic bodies (see Column 5, lines 3-9, the magnetic domain wall being present between the first and second magnetic bodies because of the antiparallel magnetization directions of the first

and second magnetic bodies, whereby the energy loss due to the creation of the magnetic domain wall in the third magnetic body is less than both that in the first magnetic body and that in the second magnetic body (see Column 5, lines 10-19).

It would have been obvious to one of ordinary skill in the art at the time of invention to modify the device of Sakakima by adding an intermediate layer with a smaller cross sectional area (thinner) resulting in a lower magnetization to encourage domain wall positioning based on different magnetizations as taught by Zhu to lower the energy consumption of positioning the domain wall and that by positioning the domain walls between the first and second magnetic bodies, the magnetization vectors are high, the resistance would drop considerably allowing for better current flow (see Zhu Column 5, lines 3-19).

With respect to claim 15, Sakakima discloses all material as stated in claim 1, but fails to disclose the third magnetic body is made of a material with a magnetization smaller than that of a material for forming the first and second magnetic body such that a magnetic domain wall is encouraged to position at a junction interface between the first and third magnetic bodies or between the second and third magnetic bodies, the magnetic domain wall being present between the first and second magnetic bodies, because of the antiparallel magnetization directions of the first and second magnetic bodies, whereby the energy loss due to the creation of the magnetic domain wall in the third magnetic body is less than both that in the first magnetic body and that in the second magnetic body.

Zhu discloses the third magnetic body is made of a material with a magnetization

smaller than that of a material for forming the first and second magnetic body such that a magnetic domain wall is encouraged to position at a junction interface between the first and third magnetic bodies or between the second and third magnetic bodies (see Column 5, lines 3-9) the magnetic domain wall being present between the first and second magnetic bodies **because** of the antiparallel magnetization directions of the first and second magnetic bodies, whereby the energy loss due to the creation of the magnetic domain wall in the third magnetic body is less than both that in the first magnetic body and that in the second magnetic body (see Zhu Column 5, lines 10-19).

It would have been obvious to one of ordinary skill in the art at the time of invention to modify the device of Sakakima by adding an intermediate layer with a smaller magnetization to encourage domain wall positioning based on different magnetizations as taught by Zhu to lower the energy consumption of positioning the domain wall and that by positioning the domain walls between the first and second magnetic bodies, the magnetization vectors are high, the resistance would drop considerably allowing for better current flow (see Zhu Column 5, lines 3-19).

With respect to claim 16, Sakakima discloses all material as stated in claim 1, and further discloses wherein the first to third magnetic bodies are made of the same material (see Column 18, lines 11-15 and Column 19, lines 30-39) but fails to disclose and the magnetization of the third magnetic body is rendered smaller than both that of the first magnetic body and that of the second magnetic body by applying an external electric field to the third magnetic body such that a magnetic domain wall is encouraged to position at a junction interface between the first and third magnetic bodies or between

the second and third magnetic bodies, the magnetic domain wall being present between the first and second magnetic bodies because of the antiparallel magnetization directions of the first and second magnetic bodies, whereby the energy loss due to the creation of the magnetic domain wall in the third magnetic body is less than both that in the first magnetic body and that in the second magnetic body.

Zhu discloses the first to third magnetic bodies are made of the same material and the magnetization of the third magnetic body is rendered smaller than both that of the first magnetic body and that of the second magnetic body by applying an external electric field to the third magnetic body such that a magnetic domain wall is encouraged to position at a junction interface between the first and third magnetic bodies or between the second and third magnetic bodies (see Column 5, lines 3-9 and Column 6, line 62 – Column 7, line 5), the magnetic domain wall being present between the first and second magnetic bodies because of the antiparallel magnetization directions of the first and second magnetic bodies, whereby the energy loss due to the creation of the magnetic domain wall in the third magnetic body is less than both that in the first magnetic body and that in the second magnetic body (see Column 5, lines 10-19 and Column 19, lines 30-39).

It would have been obvious to one of ordinary skill in the art at the time of invention to render the intermediate layer of the device of Sakakima to be smaller magnetically than the outside layers as taught by Zhu to result in a more controllable positioning of domain walls through electrical dominance of the outside structures (see Sakakima Column 15, lines 55-60).

With respect to claim 17, Sakakima discloses all material as stated in claim 1, but fails to explicitly disclose wherein the first and third magnetic bodies have a constriction at a junction interface therebetween and the second and third magnetic bodies have a constriction at a junction interface therebetween such that a magnetic domain wall is encouraged to be trapped at one of the constrictions and is therefore encouraged to be positioned at a junction between the first and third magnetic bodies or between the second and third magnetic bodies (see Column 27, line 61 - Column 28, line 6 the non-magnetic films work as constrictors creating magnetic coupling between adjacent magnetic bodies).

Zhu teaches the magnetic domain wall being present between the first and second magnetic bodies because of the antiparallel magnetization directions of the first and second magnetic bodies (see Zhu Column 5, lines 10-19).

It would have been obvious to one of ordinary skill in the art at the time of invention to producing antiparallel magnetization between the first and second magnetic bodies would result in domain walls being present therebetween resulting in a tunnel junction and lowered resistance (see Zhu Column 5, lines 10-19).

Response to Arguments

8. Applicant's arguments filed 10/22/2009 have been fully considered but they are not persuasive. Applicant has argued that Sakakima does not describe wherein the magnetization direction of the device is controlled in such a manner that a current is applied across microjunction interfaces present in the microjunction structure such that

a magnetic domain wall is moved by the interaction between the magnetic domain wall and the current. Examiner respectfully disagrees. Magnetic fields are an inherent element of electrical currents. By providing a magnetoresistive change portion that takes advantage of the directional change of the magnetic field, the inherent result is the utilization of current flow that passes along [11] in order to invert films in the resulting magnetic field. Based on the current claim language, any element of a current can cause such a change as long as the direction of the element passes through the microjunction interfaces. With the magnetic field of the electrical current provided passing along these microjunctions, the resulting force is an exertive change caused by the magnetic field of the current.

Applicant further argues that the first and second magnetic bodies are not formed with magnetization direction antiparallel. Examiner respectfully disagrees and notes that the information stored is directly related to the direction of magnetization of the magnetic film (ex. Right pointing is a 1 and a left pointing arrow is a 0; see Column 14, lines 24-38). At any moment [1'] can be facing in any direction, including the orientation as seen in Figure 7B of antiparallel.

Finally, applicant argues that Sakakima's magnetization direction cannot be controlled as stated in claim 1. Examiner respectfully disagrees. Sakakima clearly points out the utilization of a current during the amplification operation in order to provide for different magnetic field levels. By alternating currents, one can provide a rotation and thereby provide for different readouts (see Column 15, lines 46-67).

Citation of Prior Art

9. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

- Sato et al. (U.S. Publication No. 2001/0007532 A1) discloses trilayer ferromagnetic element with changeable magnetized direction.

- Mao et al. (U.S. Patent No. 6,456,467) discloses a thin film structure used for shielding a tranducing head containing multiple ferromagnetic layering with antiparallel magnetization.

- Nakatani et al. (U.S. Patent No. 5,390,061) discloses a magnetoresistance element with multiple semiconductor and antiferromagnetic materials.

- Hempstead et al. (U.S. Patent No. 4,106,315) discloses a thin film magnetic transducer with ferromagnetic materials and antiferromagnetic material deposited on one another.

Conclusion

10. **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the

shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to JONATHAN HAN whose telephone number is (571)270-7546. The examiner can normally be reached on Monday through Friday 8:30 AM - 6 PM EST.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Steven Loke can be reached on (571)272-1657. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/JONATHAN HAN/
Examiner, Art Unit 2818

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/STEVEN LOKE/

Supervisory Patent Examiner, Art Unit 2818